



TEXAS DEPARTMENT OF INSURANCE

Regulatory Policy Division - Engineering Services Program (103-3A)

333 Guadalupe, Austin, Texas 78701 ★ PO Box 149104, Austin, Texas 78714-9104
(800) 248-6032 | F: (512) 490-1043 | TDI.texas.gov | @TexasTDI

ACCEPTABLE SYNTHETIC UNDERLAYMENTS

TDI verifies the following list of synthetic underlayment products as an acceptable alternative to the underlayment specified in chapter 9 of the IRC and chapter 15 of the IBC. The 2006 Edition of the International Residential Code (IRC), Section R905.2.3, and the International Building Code (IBC), Section 1507.2.3 and Section 1507.2.4, require that underlayment conform to ASTM D 226 TYPE I, ASTM D 4869 Type I, or ASTM D 6757. Self-adhering polymer modified bitumen sheet shall comply with ASTM D 1970.

Synthetic underlayment manufacturers may provide ICC-ES ESR reports, accredited evaluation service agency evaluation reports, or independent testing laboratory test reports to verify that a synthetic underlayment product complies with the appropriate ICC Acceptance Criteria, see Table 1, to show the product is classified as an alternative to the underlayment specified in the IRC and IBC.

REQUIREMENTS FOR LISTING

If a manufacturer wishes to have his product listed, then the manufacturer must comply with one of the following:

1. An ICC-ES ESR Report has been developed for the product's compliance with the ICC Acceptance Criteria:
 - a. Submit a copy of the ICC-ES ESR report.
 - b. Submit a copy of the installation instructions.
 - c. Identification: The product must be labeled showing the report holder's name, the product name, the manufacturer, and the ICC-ES ESR report number.
2. An accredited testing agency evaluation report has been developed for the product's compliance with the ICC Acceptance Criteria:
 - a. Submit documentation verifying that the testing agency received accreditation with the ICC's International Accreditation Service (IAS) as an evaluation service agency.
 - b. Submit documentation indicating that an ICC-ES acceptance criteria was used as the basis for the evaluation.
 - c. Submit a copy of the accredited testing agency evaluation report.
 - d. Submit a copy of the installation instructions.
 - e. Identification: The product must be labeled showing the report holder's name, the product name, the manufacturer name, and the evaluation or report number.
3. Neither an ICC-ES ESR Report, nor an accredited testing agency evaluation report has been developed for the product.
 - a. Submit a copy of the test report(s) from an independent testing laboratory acceptable to the ICC or TDI indicating that the product has been tested in accordance with an ICC acceptance criteria and passed all of the required tests.
 - b. Submit a copy of the installation instructions.
 - c. Identification: The product must be labeled showing the product name and the manufacturer's name.

ACCEPTANCE CRITERIA:

Table 1

Criteria	Title
AC-48	Roof Underlayment for use in Severe Climate
AC-160	Nonasphaltic Fiberglass-Based Roof Underlayment
AC-165	Asphalt-Coated Glass-Fiber-Mat-Roof Underlayment
AC-188	Acceptance Criteria for Roof Underlayment
AC-207	Acceptance Criteria for Polypropylene Roof Underlayment

ACCREDITED TESTING AGENCIES:

Table 2

Agency	Website
ICC-ES	http://www.icc-es.org/
Intertek	https://whdirectory.intertek.com/Pages/DLP_Search.aspx
Architectural Testing, Inc.	http://www.archtest.com/certification/code_compliance_research_reports_ccrr.aspx